

O2Tracer-D

4 – 20 mA Loop Powered two wire Oxygen Transmitter

Two Wire Process Oxygen Analyzer

The Model O2Tracer is simple, accurate and very economic measurement of Oxygen at % levels.



One User specific measuring range to be specified

The unit will offer with different ranges between 0 – 100% of oxygen. Typically, 0-25%

- The measurement will made by diffusion
- The unit is fully temperature compensated

Sensor

The O2Tracer uses a special fuel cell to measure the oxygen concentration. The sensor meets the industrial requirements for accuracy, sensitivity, easy to use and operating life.

Calibration

The calibration of the instrument for trace oxygen measurements in gas, should be done with a known value calibrated gas. The concentration can be chosen freely within the measuring range. For percent measurements the unit can be calibrated in room air.

Features

- ✓ compact
- ✓ inexpensive
- ✓ Sensor with long operating life
- ✓ IP65 enclosure
- ✓ reverse voltage protection and temperature compensation

Specification

Measuring ranges

all ranges between : 0 – 100 % O₂
possible
typical Ranges: 0-25%
other ranges available

Calibration	: with air at 20.9 %
Accuracy	: +/- 2% FSD T= const. +/- 5% FSD 0>T>50°C (ppm)
Response time	: 90 % FSD at 25°C 0 – 100 % < 10 s
Operating Temperature	: 0 - 50°C
Pressure	: 0 - 1 bar
Signal output	: 4 -20 mA / DC
Alarm value	: 22.8 mA (Standard) or 3.4 mA (if desired)
Voltage	: 10 – 35 VDC reverse voltage protection up to 40VDC
load	: typ. 470 Ohm, max. 750 Ohm
oxygen sensor	: Micro-Fuel Cell, approx. 5 years' operating life
housing	: IP65
Size	: 60 x 60 x 55 (B x H x T)
Enclosure	: ABS
Connection	: By diffusion
Weight	: 0.3 kg

Typical

- different Measuring ranges available

Applications are found in

- 3D printers
- Room measuring
- Clean rooms
- Labs

Remark; we have the right to revise specifications and product configurations without notice